

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-8 in accordance with the following:

1. (CURRENTLY AMENDED) An apparatus ~~to be connected for connection to with~~ a serial bus of IEEE-1394 standard, said apparatus comprising:

a 1394 signal input/output port section having two or more input/output ports ~~to be connected for connection to with another other~~ apparatuses ~~functioning that function~~ as parent and child nodes;

a non-node configuration control section which controls ~~the a~~ configuration of the apparatus in such a manner that said apparatus is not recognized as a node;

a normal configuration control section which controls the configuration of the apparatus in such a manner that said apparatus is recognized as a node;

a mode switching section which enables input/output of said non-node configuration control section or said normal configuration control section with respect to said 1394 signal input/output port section;

a mode switching unit which controls switching of said mode switching section; and

a PHY configuration packet output section which generates a PHY configuration packet for resetting an apparatus of another node as a route node so as to output the PHY configuration packet to said normal configuration control section.

2. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein when one of the two input/output ports of said 1394 signal input/output port section is connected ~~to with an~~ another apparatus functioning as the parent node and the other port is connected ~~to with an~~ another apparatus functioning as the child node and said apparatus does not become a route node in a tree identification phase, said non-node configuration control section neither obtains a self ~~physical~~ physical ID nor transmits a self ID packet in a self-identification phase but transmits an ident_done signal received from the child node directly to the parent node.

3. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein when one of the two input/output ports of said 1394 signal input/output port section is connected ~~to with an~~

another apparatus functioning as the parent node and the other port is connected ~~to with an~~ another apparatus functioning as the child node and said apparatus becomes a route node in the tree identification phase, said non-node configuration control section passes ~~the process of~~ the operation of a self-identification phase to said normal configuration control section.

4. (CURRENTLY AMENDED) The apparatus according to claim 3, wherein when said normal configuration control section takes over the ~~process-operation~~ operation of the self-identification phase from said non-node configuration control section, said normal configuration control section obtains a self ~~physical~~ physical_ID and transmits a self ID packet and permits said PHY configuration packet output section to output the PHY configuration packet.

5. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein the apparatus connected with the serial bus of IEEE-1394 standard is being a bus analyzer for analyzing operations on the serial bus of the IEEE-1394 standard.

6. (CURRENTLY AMENDED) A configuration method, ~~comprising the steps of:~~
specifying a non-node mode for controlling configuration ~~so that of~~ so that ~~the apparatus~~ is not recognized as a node ~~or and specifying~~ a normal mode for controlling configuration of the apparatus so that the apparatus is recognized as a node; and
initializing a serial bus of an IEEE-1394 standard and recognizing a tree; and
wherein when the non-node mode is specified ~~at the mode specifying step~~, checking whether the apparatus ~~becomes is~~ a route node ~~or not~~; and when a judgment is ~~made~~ determining that the apparatus ~~does not become a~~ is not the route node, neither obtaining a self ~~physical~~ physical_ID nor transmitting a self_ID packet but transmitting an ident_done signal received from a child node directly to a parent node.

7. (CURRENTLY AMENDED) The configuration method according to claim 6, wherein ~~when a judgment is made~~ determining that the apparatus becomes a route node, the configuration method further ~~comprising the steps of~~ comprises:

obtaining a self ~~physical~~ physical_ID and transmitting a self_ID packet; and
generating a PHY configuration packet for resetting an apparatus of another node as a route node so as to output the PHY configuration packet after ~~the a~~ a self-identification phase.

8. (CURRENTLY AMENDED) The configuration method according to claim 6, wherein

when a normal mode is specified, the configuration method further ~~comprising the steps~~
~~of~~comprises:

initializing the serial bus of the IEEE-1394 standard; and

obtaining a self ~~physical~~physical_ID and transmitting a self_ID packet after the tree
identification are carried out.